802.11a/b/g SDIO WiFi Module

Introduction

A IEEE 802.11a/g/b SDIO Wireless LAN Module for various applications. The SDM3100 is a compact size wireless module for cellular handset and consumer electronic devices that require low power consumption. The module works with a lot of wireless LAN security protocols. Open, 64-bit and 128-bit WEP encryptions are supported.

Feature

1. Support IEEE802.11a/b/g
2. Module size is 20 x 20 x 3.0 mm
3. Host interface support SDIO
4. Low power consumption
5. Data rates of 6-54Mbps for 802.11a and 1-54Mbps for 802.11g
6. Supported OS：WinCE5.0 and Linux 2.6.9

Specification

Dimension	20LX20WX3.0 mm
Operation Voltage	3.3V +/-5%
Interface	SDIO 1.1
OS and Driver Support	WinCE5.0, Linux 2.6.9
Power Requirement	Power consumption at 11a/g TX: 360 mA, RX: 185 mA Power consumption at 11b TX: 360 mA, RX: 185 mA Sleep mode: 995uA
Security	Hardware-Based Encryption/Decryption Using 64, and 128-Bit Wired-Equivalent Privacy (WEP) Keys